Thursday mornings MRes project progress report - 1st half

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07-May-2020

Date Time: 07-May-2020 09:00
Location: Skype
People: James, PokMan

1   Topics discussed

1. model correctness: analytical solving vs numerical integrating result

2. thesis write-up: hypothesis description wording

2   Consensus

1. investigate the crashed ode systems ($\approx$3% of total simulations)

   - know what was happening before crashing: ylim set smaller in plots
   - recalculate analytical solution sets

2. asking for reasons causing discrepancies between ode solvers from R (agree with numpy solution) and scipy (disagree with numpy solution)

3. find max carbon removal term (i.e. xC) from given set of parameters using analytical solution set: plot xC vs x